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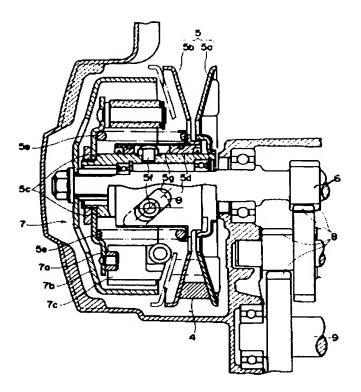
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TITLE

TORQUE DETECTING CAM

MECHANISM OF AUTOMATIC BELT

SPEED CHANGE DEVICE



ABSTRACT: PURPOSE: To obtain the belt lateral pressure of a driven pulley matching with required speed change characteristic by changing the operation angle of a cam groove of a driven cam in relation to a roller pin to the extent from two steps up to the stepless condition.

> CONSTITUTION: If an operation angle of a cam groove 5g in relation to a roller pin 5f is set to $\theta(=45^{\circ})$ in a low-speed and high torque driving area and $\theta_1(<\theta)$ on the way to high-speed and low torque driving area, the belt lateral pressure Q2 which works on a driven pulley 5 in low-speed and high torque driving area at this time is made larger than belt lateral pressure Q'2 in the high-speed and low torque driving area. Further, since the driving force of the driven pulley 5 becomes smaller than that of a linear cam groove when the engine speed reaches the definite number of revolution, automatic speed change of the pulley from the low-speed and high torque area to the high-speed and low torque area becomes easy and load of the engine is decreased, therefore, the car speed is increased in spite of a decrease in the number of engine revolution.

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